

Name: _____ Date: _____ Period: _____

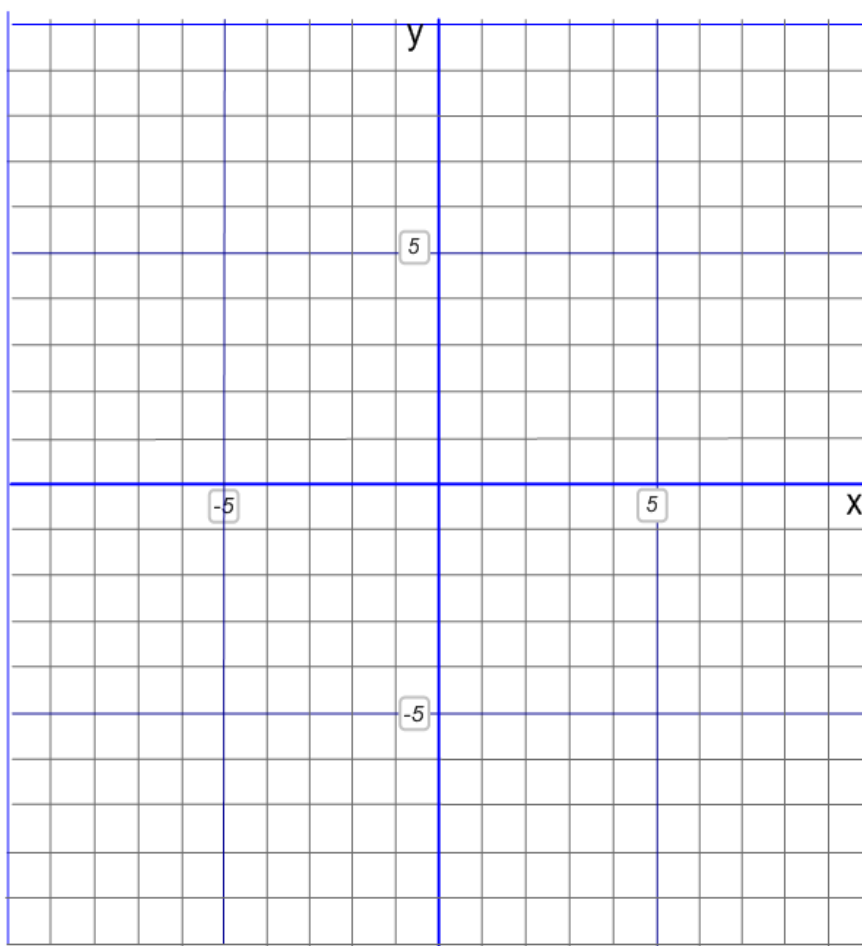
Use substitution to solve the system of equations:

1a.
$$\begin{aligned} y &= -3x \\ -x + 6y &= 38 \end{aligned}$$

1b.
$$\begin{aligned} x + 2y &= 4 \\ y &= x - 7 \end{aligned}$$

Show & Explain?

2. Graph the system of equations:

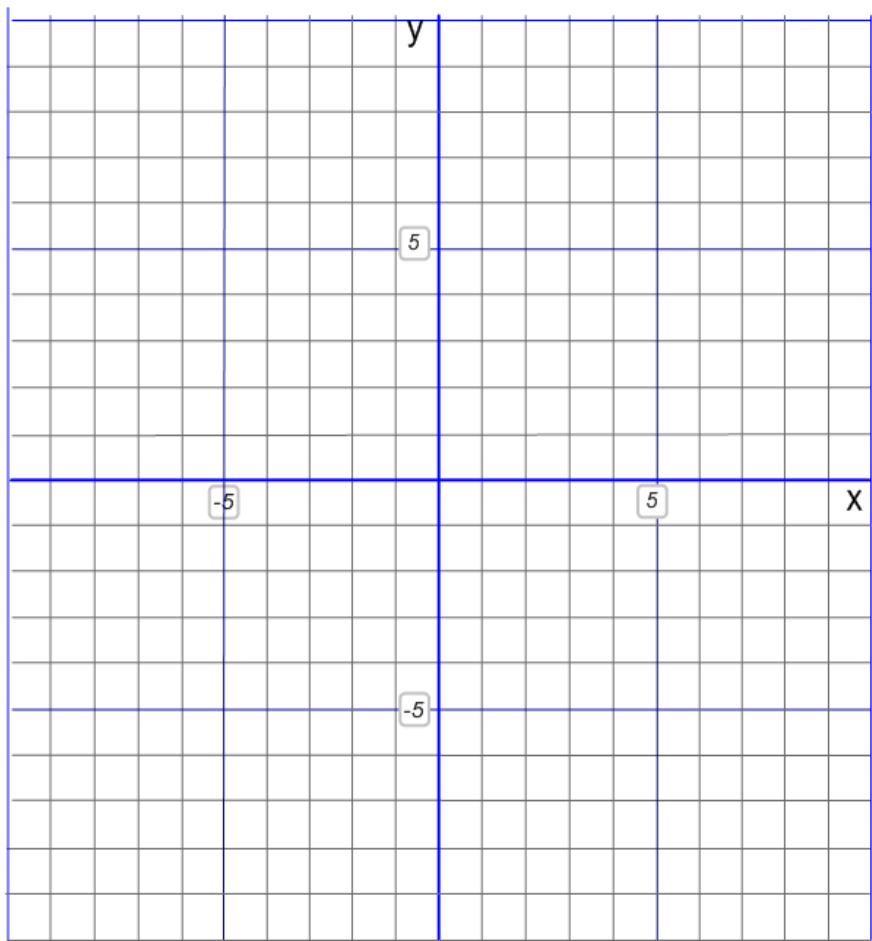
$$\begin{array}{l} \text{Equation 1} \\ \text{Equation 2} \end{array} \left\{ \begin{array}{l} y = -3x + 5 \\ -2x + y = -10 \end{array} \right.$$


Name: _____ Date: _____ Period: _____

3. Graph the system of Inequalities (Circle the correct Line and Shade):

$y > -x + 4$ Line: DOTTED or SOLID Shade: UP or DOWN

$y \leq \frac{1}{2}x - 2$ Line: DOTTED or SOLID Shade: UP or DOWN



Use the Elimination Method to solve the system of equations:

4.

$$\begin{aligned}x + 3y &= 7 \\ 2x - 3y &= -4\end{aligned}$$

5.

$$\begin{aligned}-3x + y &= 1 \\ x + y &= 5\end{aligned}$$